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Assistant Commissioner for Patents  
Washington, D.C. 20231

On February 25, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: *Maisie C. Livengood*  
Maisie C. Livengood

*1652*  
**PATENT**  
Attorney Docket No.: 015389-002611US  
Client Ref. No.: 018/063C

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Geron Corporation

Application No.: 09/432,503

Filed: November 2, 1999

For: HUMAN TELOMERASE  
CATALYTIC SUBUNIT

Examiner: Delia M. Ramirez

Art Unit: 1652

**AMENDMENT - SUBMISSION OF  
SUBSTITUTE SPECIFICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This paper is in partial response to the Office Action with a mailing date of August 26, 2002. A response to the claim rejections is being filed under separate cover and includes a petition for extension of time. Please enter the following amendment and remarks.

**IN THE SPECIFICATION:**

Please replace the original specification filed November 2, 1999, with the substitute specification that is enclosed in accordance with the provisions of 37 C.F.R. 1.125.

**IN THE DRAWINGS:**

As required by the Examiner, substitute drawings are enclosed herewith.